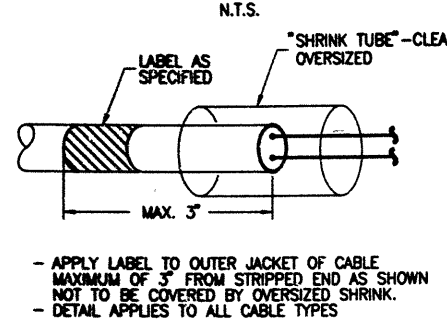


REVISION No. 9

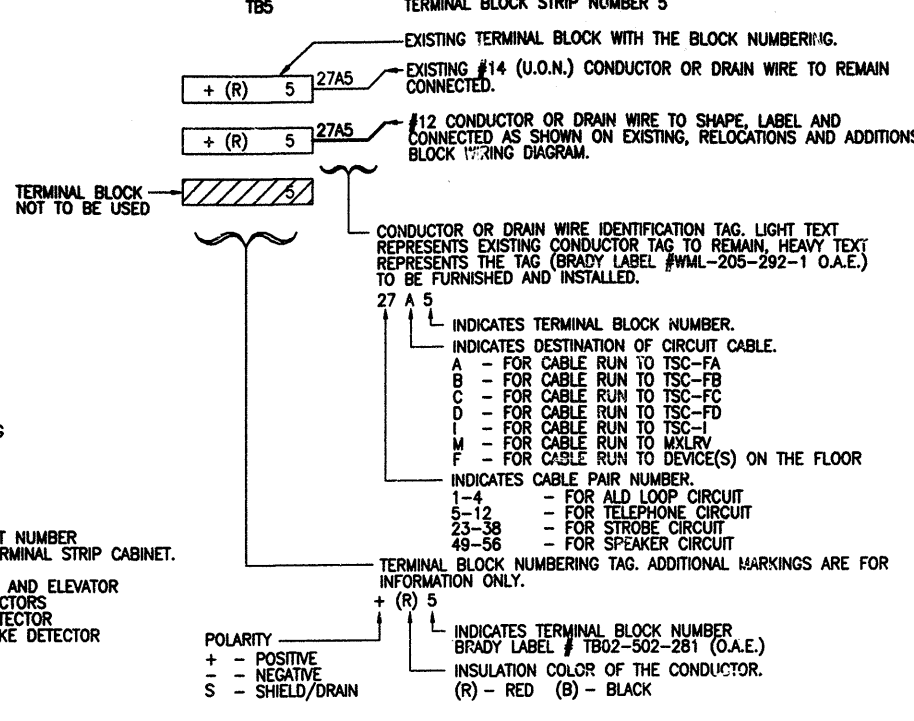
TYPICAL CABLE LABELING METHOD



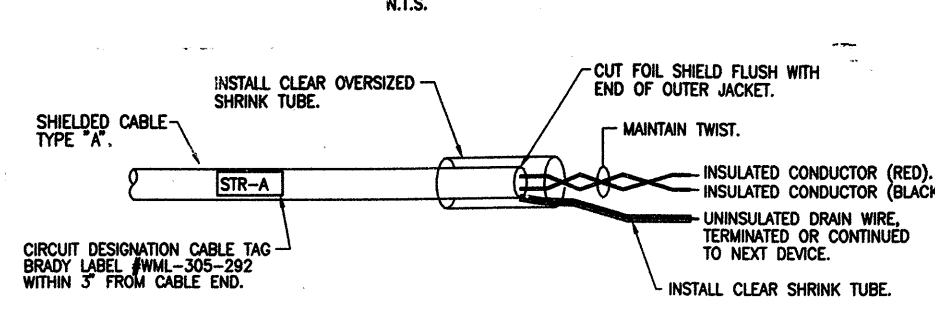
CIRCUIT LEGEND:

- CIRCUIT DESIGNATION
- STR-A CABLE IDENTIFICATION TAG; LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.
- STR-A OR STR-A
- TYPE OF CIRCUIT:
- STR - STROBE CIRCUIT
 - SPK - SPEAKER CIRCUIT
 - ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR)
 - TEL - TELEPHONE CIRCUIT
 - SD - SMOKE DETECTOR CIRCUIT
 - MPJ - MAINTENANCE PHONE JACK CIRCUIT
 - WP - WARDEN TELEPHONE CIRCUIT
 - SJ - STAND PIPE PHONE JACK CIRCUIT
- CIRCUIT NUMBER OR NAME:
- A TO G - STROBE OR SPEAKER CIRCUIT NUMBER
 - ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
 - PS - CIRCUIT TO PULL STATIONS
 - ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR
 - MACHINE ROOM SMOKE DETECTORS - CIRCUIT TO MACHINE ROOM SMOKE DETECTORS
 - HVAC - CIRCUIT TO HVAC SMOKE DETECTOR
 - AREA - CIRCUIT TO OPEN AREA SMOKE DETECTOR
 - IC - INTERFACE CABINET CIRCUIT
 - TIB - TENANT INTERFACE BOX

TERMINATION LEGEND (EXISTING AND ADDITIONS)

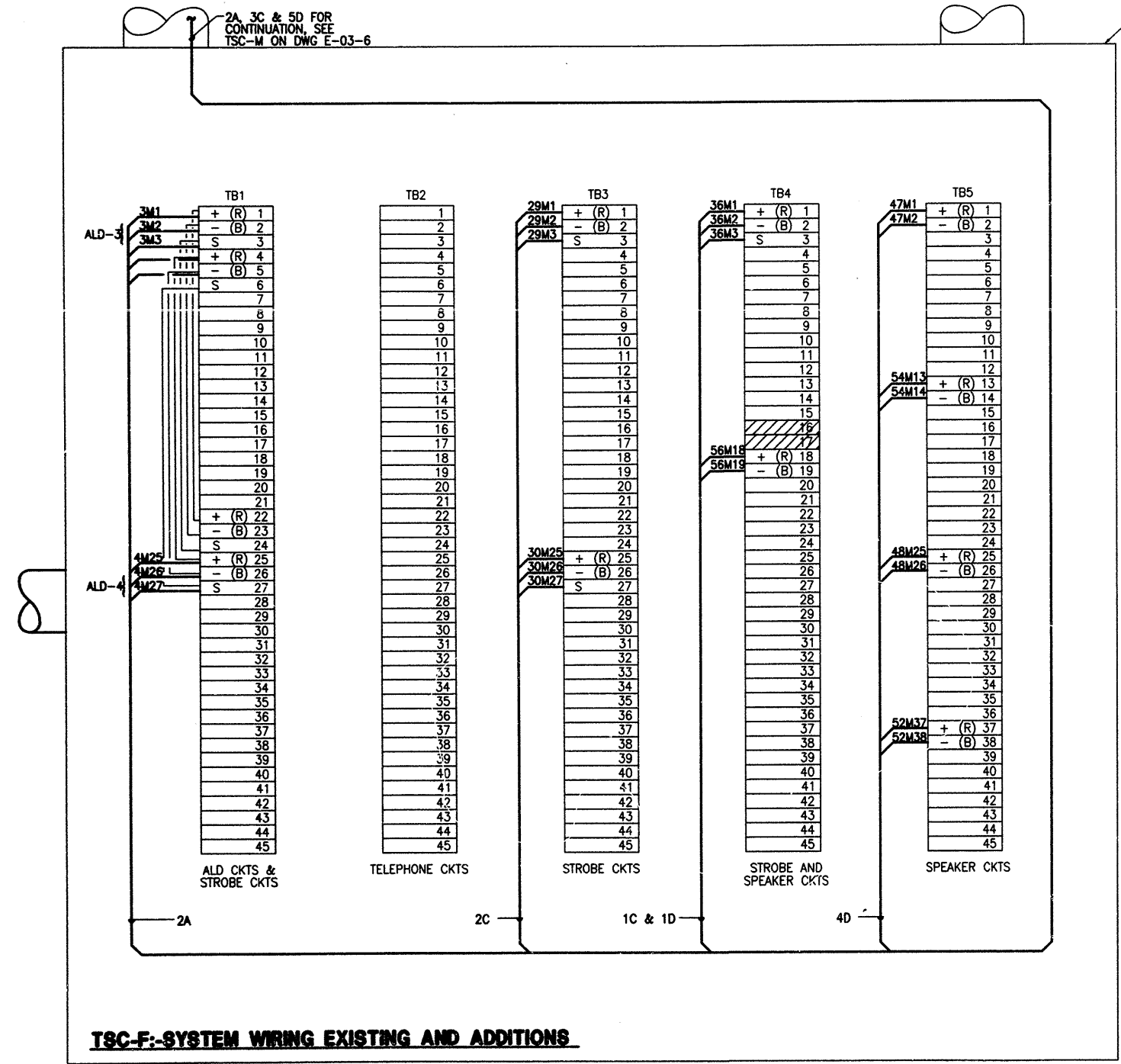


TYPICAL SHIELD/DRAIN INSULATING METHOD "A"

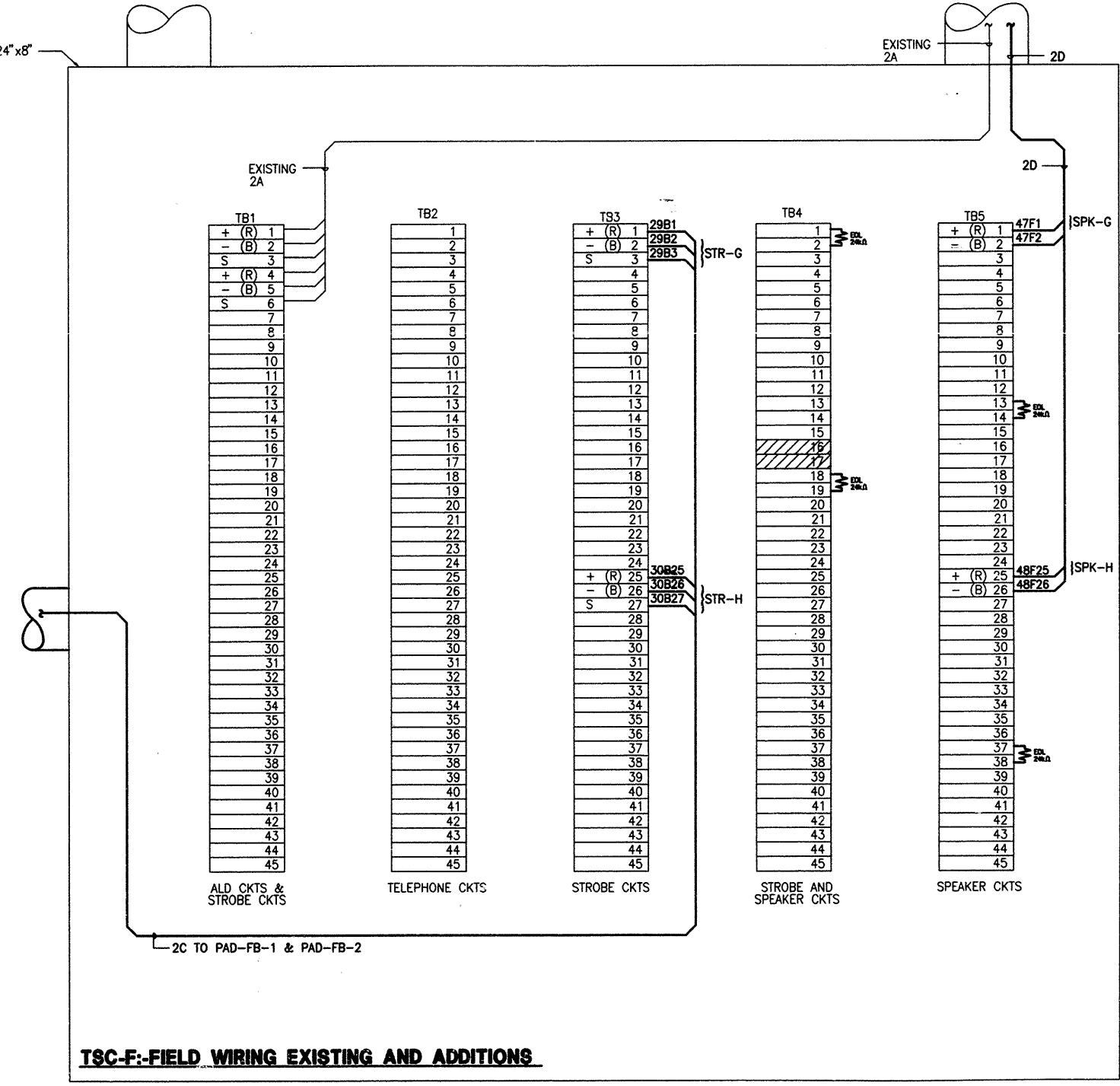


NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.



TSC-F-SYSTEM WIRING EXISTING AND ADDITIONS



TSC-F-FIELD WIRING EXISTING AND ADDITIONS

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861-573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE: 11/18/99 CONTRACT ENGR/ARCH.

DATE: 11/18/99 ENGINEERING PROGRAM MGR.

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

3rd FLOOR TSC-FB
BLOCK WIRING DIAGRAM
EXISTING AND ADDITIONS

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999
Date

WTC-861.573 E-03-10
Contract Number Drawing Number